

RUSSELL NASIRIFAR, P.E.

Education

B.S. - Chemical Engineering, Ferdowsi University of Mashhad, Iran, 2002



Professional Licenses and Certifications

Professional Engineer (Mechanical) - California (M 37758); Florida (82629); Louisiana (41570); Idaho (17792); Indiana (11700620); Texas (130506); Kentucky (32344)

Professional Experience

Russell Nasirifar joined SCS in 2015 as a Senior Project Professional. He has more than 16 years of experience as an engineer and designer of process plants and in the preparation of construction documents in a multi-discipline engineering environment, demonstrating a progressive increase in responsibility and technical difficulty of work in environmental, chemical, petrochemical, oil, and renewable natural gas plants. He has experience both as a team member and the head of teams of front-end and development engineering and design engineering of several plants.

At SCS, Mr. Nasirifar was Project Professional Engineer and Lead Process and Mechanical Engineer for the following projects:

Biogas to Energy

Indy High-BTU, LLC. Southside Landfill RNG Project, Indianapolis, IN.

Design, Engineering and Built for a 4,000 scfm LFG-to-pipeline quality gas plant incorporating a wet scrubber for hydrogen sulfide removal, chilling, compression, membrane carbon dioxide removal and pressure swing adsorption for nitrogen removal.

AgPower Jerome, LLC. RNG Project, Double A Dairy, Jerome, ID.

Design, Engineering and Built of a 1,400 scfm Digester gas-to-pipeline quality gas plant incorporating a wet hydrogen sulfide scrubbers, chilling, compression, membrane carbon dioxide separation, and pressure swing adsorption for nitrogen removal.

Waste Management, Inc., RNG Project, Skyline Landfill, Ferris, TX.

Design and Engineering of a 5,000 scfm LFG-to-pipeline quality gas plant incorporating Sulfatreat, chilling, compression, membrane carbon dioxide separation, and pressure swing adsorption for nitrogen removal.

California Bioenergy LLC. Dairy DG to RNG Facility, Kern Cluster, CA.

Design and Engineering of a 3,300 scfm digester gas to pipeline quality gas plant employing chilling, and membrane carbon dioxide separation.

Greengasco, LLC. Cactus Dairy Digester Gas RNG Plant, Dumas, TX.

Design and Engineering of a 3,500 scfm digester gas to pipeline quality gas plant employing a wet hydrogen sulfide scrubber, chilling, and membrane carbon dioxide separation.

California Bioenergy LLC. Dairy DG to RNG Facility, West Visalia, CA.

Design and Engineering of a 1,500 scfm digester gas to pipeline quality gas plant incorporating chilling, and membrane carbon dioxide separation.

Calgren Dairy Fuels, Digester Gas Treatment Facility, Pixley, CA.

Design and Engineering of a 2,500 scfm digester gas to pipeline quality gas plant employing a wet hydrogen sulfide scrubber, chilling, and membrane carbon dioxide separation.

California Bioenergy LLC. Dairy DG to RNG Facility, Hanford, CA.

Design and Engineering of a 1,500 scfm digester gas to pipeline quality gas plant employing chilling, and membrane carbon dioxide separation.

Waste Management, Inc., RNG Project, Outer Loop Landfill, Louisville, KY.

Design and Engineering of a 5,000 scfm LFG-to-pipeline quality gas plant incorporating SulfaTreat, chilling, compression, membrane carbon dioxide separation, and pressure swing adsorption for nitrogen removal.

New Holland Landfill Gas Treatment Facility, New Holland, PA.

Design and Engineering of an 8,500 scfm landfill gas to high-Btu gas plant employing membranes for carbon dioxide removal and pressure swing adsorption for nitrogen removal.

Orlando Utilities Commission.

Design and Engineering for expansion of a 4,000 scfm landfill gas processing facility to 8,000 scfm. Performed on a design/build basis. The project employs multistage centrifugal blowers, flooded screw compressors, and R-134 based refrigerant system.

The University of CA Woolworth Road Landfill Biomethane Program, Shreveport, LA.

Design and Engineering of 2,000 scfm LFG-to-pipeline quality gas plant, product gas transmission pipeline and booster compression plant and connection to all utilities located in Caddo Parish, Louisiana. The project employs LFG blowers, compressors, chilling, heat exchangers, and membrane carbon dioxide separation.

Prior to joining SCS, Mr. Nasirifar participated in the following major projects:

Chevron Pipeline Projects, Coalinga, CA.

Mechanical designer and engineer for Coalinga Safire Meter Deployment, Gauge Setting Package and Midway Sunset Diatomite Phases 3 and 4, Gauge Setting Separator and Fin-Fan Installation.

Chevron Pipeline Projects, Southern California.

Mechanical designer and engineer for Cymric Westside Produced Water Project, Phase 4, and 15Z Water Injection Plant Expansion.

Valero Refinery, Long beach, CA.

Front End Engineering Design (FEED) and detail mechanical engineer and designer for Selenium Removal Unit.

California Resource Corporation (CRC), Ventura, CA.

Mechanical designer and engineer for South Mountain Booster Compressor Plant and CP2 to WP Pipe Rack Stabilization Project.

ExxonMobil Refinery, South Coker Unit, Torrance, CA.

Provision of field engineering services for refinery improvements.

Confidential Client, Gas Gathering & LNG Recovery Plant, an Island in Persian Gulf-Middle East.

Project Lead Engineer in a refinery including gas gathering and compression, a sulfur recovery unit, and LPG storage and loading. An LNG Plant, acid gas removal and re-injection, a seawater system and associated utilities are also part of the project. This project involved engineering and construction of facilities for collection and separation of acid gases from associating gases, establishing two NGL units, injection of acid gases, storage tanks and export jetty in a confidential Island in the Persian Gulf. Also, he was on the detail design team for a feed gas compressor station, reception facilities, and compressor station and tie-in area, slug catcher, distillation towers and drums.

Confidential Client, Gas Condensate and LNG Recover Refinery Project, Persian Gulf-Middle East.

Project Engineer in a refinery with a 360,000 Btu/day capacity (naphtha hydro-treating continues catalyst regeneration unit and condensate distillation unit.

Hormozgan Steel Complex Plant, Iran.

Mechanical piping engineer and designer of composite plan for a melting and casting unit (implementation of a steelmaking plant with a production capacity of three million tons/year.

Khorasan Steel Direct Reduction Plant, Iran.

Mechanical piping engineer and designer of pump station, boiler room, blower area, interconnecting pipe-rack, and establishing Midrex direct reduction unit with the capacity of 800 thousand tons of sponge iron per year.

Ghaenat Direct Reduction and Material Handling, Iran.

Mechanical engineer and designer of utilities and industrial and sanitary wastewater treatment plant.

ARAK Petrochemical Refinery. Piping Designer and Engineer.**Governmental Client, Gas Treatment Plants and Gathering System (LNG), South Pars Gas Field Development Project, Persian Gulf.**

Mechanical designer and engineer in a refinery on projects including NGL fractionation unit, Ethan treating unit, and interconnection Pipe-racks. The South Pars/North Dome field is a natural gas condensate field located in the Persian Gulf. It is the world's largest gas field, shared between Iran and Qatar.